

S  
622.33  
L3mm  
V.2

STATE DOCUMENTS

NOV 28 1973

MONTANA STRIP MINING PERMIT APPLICATION

by

WESTERN ENERGY COMPANY

OCTOBER 15, 1973

Volume 2

Prepared for Western Energy Company  
by  
Westinghouse Environmental Systems Department  
Box 1899  
Pittsburgh, Pennsylvania 15230

MONTANA STATE DEPARTMENT  
900 East Lyndale Avenue  
Helena, Montana 59601

OCLC 9307676 SP



3 0864 1006 7235 4

## DATE DUE

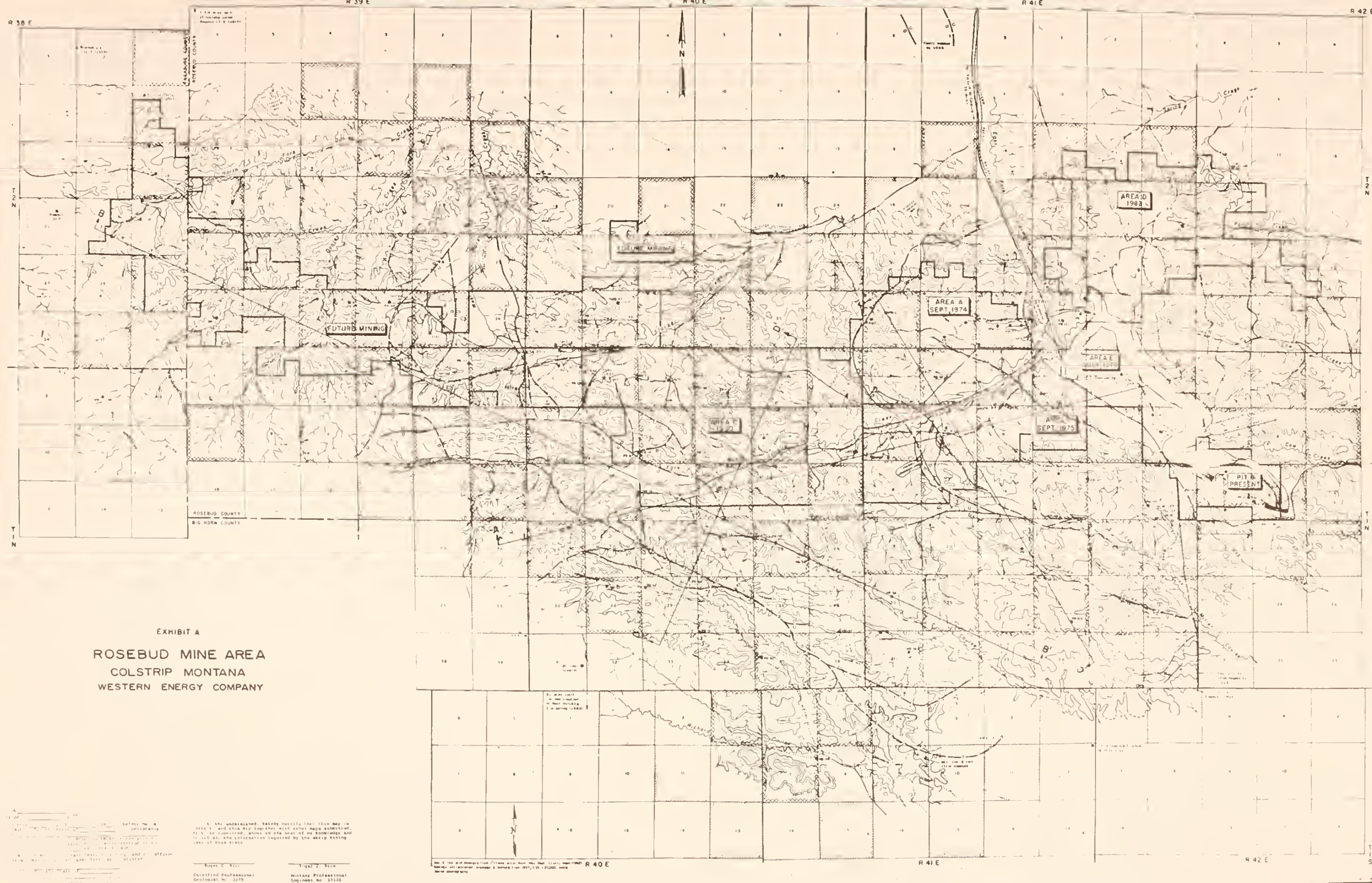
<del>DEC</del> MAR 20 '74				
<del>DEC</del> DEC 18 '74				
<del>DEC</del> JAN 22 '75				

S/622.33/L3mw/v.2  
Westinghouse Environmental Systems  
Department  
Montana strip mining permit  
application by Western Energy Company

LIST OF DOCUMENTS

MONTANA STATE LIBRARY  
930 East Lyndale Avenue  
Helena, Montana 59601









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# MINING PLAN AREA A-1 ROSEBUD MINE

WESTERN ENERGY COMPANY  
SCALE 1" = 400'  
JUNE 1973

MINING TO ADVANCE TOWARD CENTER OF AREA IN SPIRAL LEAVING NO HIGHBALL  
DEADHEADING MAY BE REQUIRED TO COMPLETE BOGOUT  
OUTSIDE SLOPE OF OUTCAST BOGOUT SPOILS TO BE REGRADED CONCURRENT WITH  
STOPPING AT S1 GRADE. INCAST BOGOUT SPOILS TO BE REGRADED UPON FINAL  
REMOVAL OF PEST UPON WHICH THEY ARE PLACED. ALL FINAL GRADING TO BE  
S1 OR LESS. ESTIMATED COST OF BACKFILLING, GRADING WORK, PLANTING &  
RE-VEGETATION \$71 PER ACRE

WASTE OR REFUSE TO BE BURIED ABOVE WATER TABLE AS MINING ADVANCES  
AND LOCATION WILL VARY

→ DRAINAGE ON AND AWAY FROM AREA AFFECTED

TOTAL AREA AFFECTED 843 ACRES. AREA OF COAL 158 ACRES  
AREA LIFE TO YEAR - FIRST 9 PASSES 52 YR  
RESERVES 28,000,000 TONS AT 94% RECOVERY

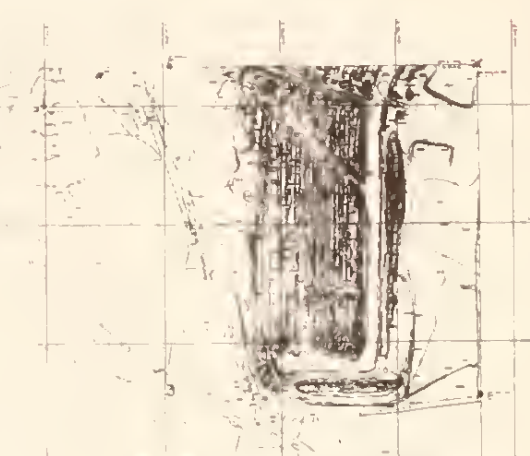
1974 460,000 TON AREA AFFECTED

1974 FINAL GRADING PLANTED SPRING 1975  
37 ACRES TO BE COMPLETED

• PIT SUMPS PUMP WATER TO RECLAMATION IRRIGATION AND OR DRAINAGE AS  
INDICATED. WATER QUALITY TESTED AT SUMP TO DETERMINE WATER  
TREATMENT FACILITY REQUIRED IF ANY.

INTERCEPTOR DAMS

WATER TREATMENT (AS PER AISC SPEC) WITH 24" CMP OVERFLOW. DECANTER  
SEPARATOR DAM

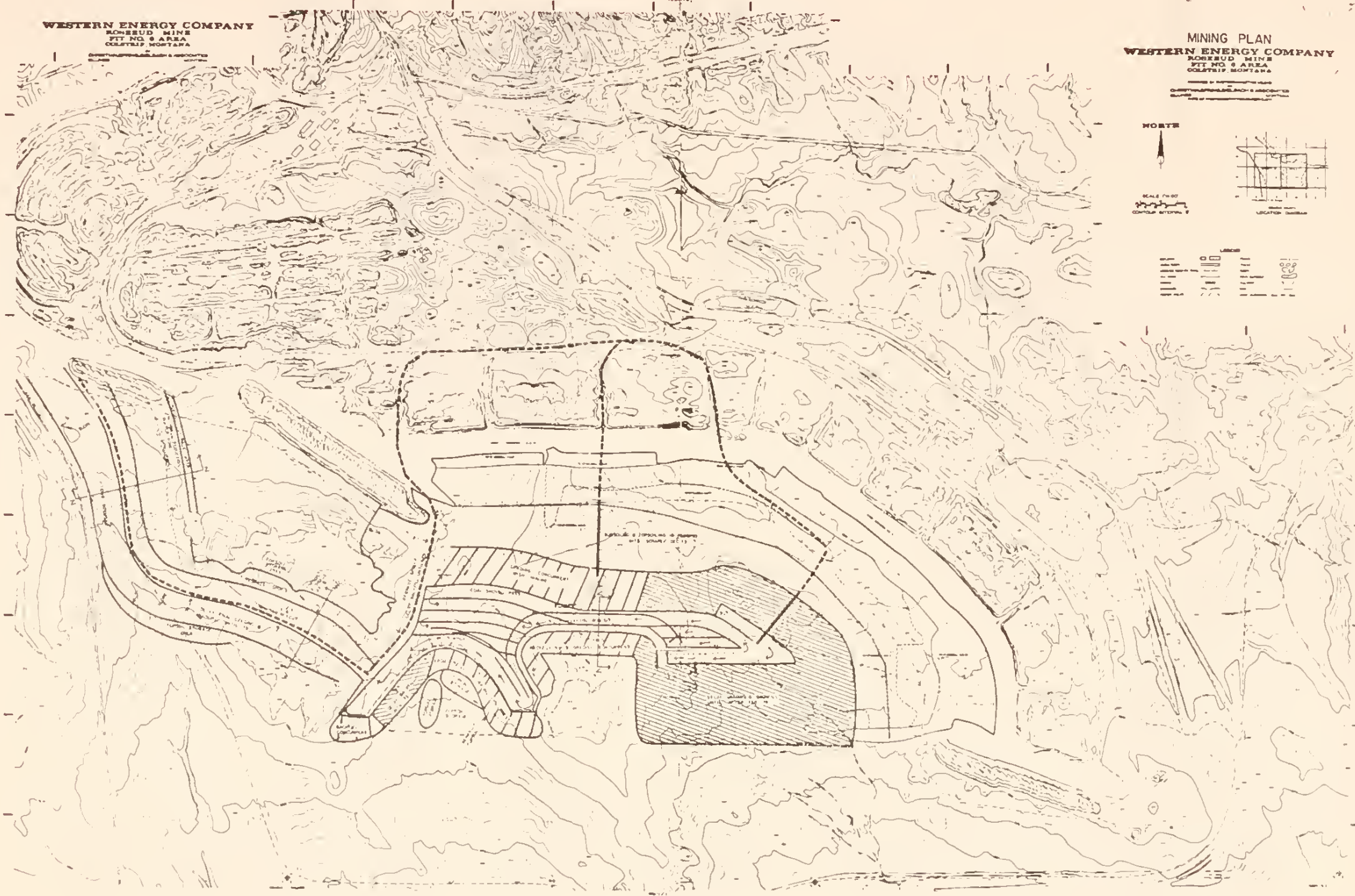


STATE OF \_\_\_\_\_  
COUNTY OF \_\_\_\_\_  
I, \_\_\_\_\_, being duly sworn, depose and say that the foregoing is a true and correct copy of the Mining Plan for Area A-1 of the Rosebud Mine, as the same appears on the books of the Western Energy Company, and that I am a duly qualified and sworn member of the Board of Directors of said company.  
GIVEN UNDER MY HAND AND SEAL OF OFFICE this \_\_\_\_\_ day of \_\_\_\_\_, 1973.  
Notary Public for the State of \_\_\_\_\_  
My Commission Expires \_\_\_\_\_





WESTERN ENERGY COMPANY  
ROSEBUD MINE  
FIT NO. 8 AREA  
COLLIERIES, MONTANA



MINING PLAN  
WESTERN ENERGY COMPANY  
ROSEBUD MINE  
FIT NO. 8 AREA  
COLLIERIES, MONTANA

NORTH



SCALE 1"=100'  
CONTOUR INTERVAL 5'



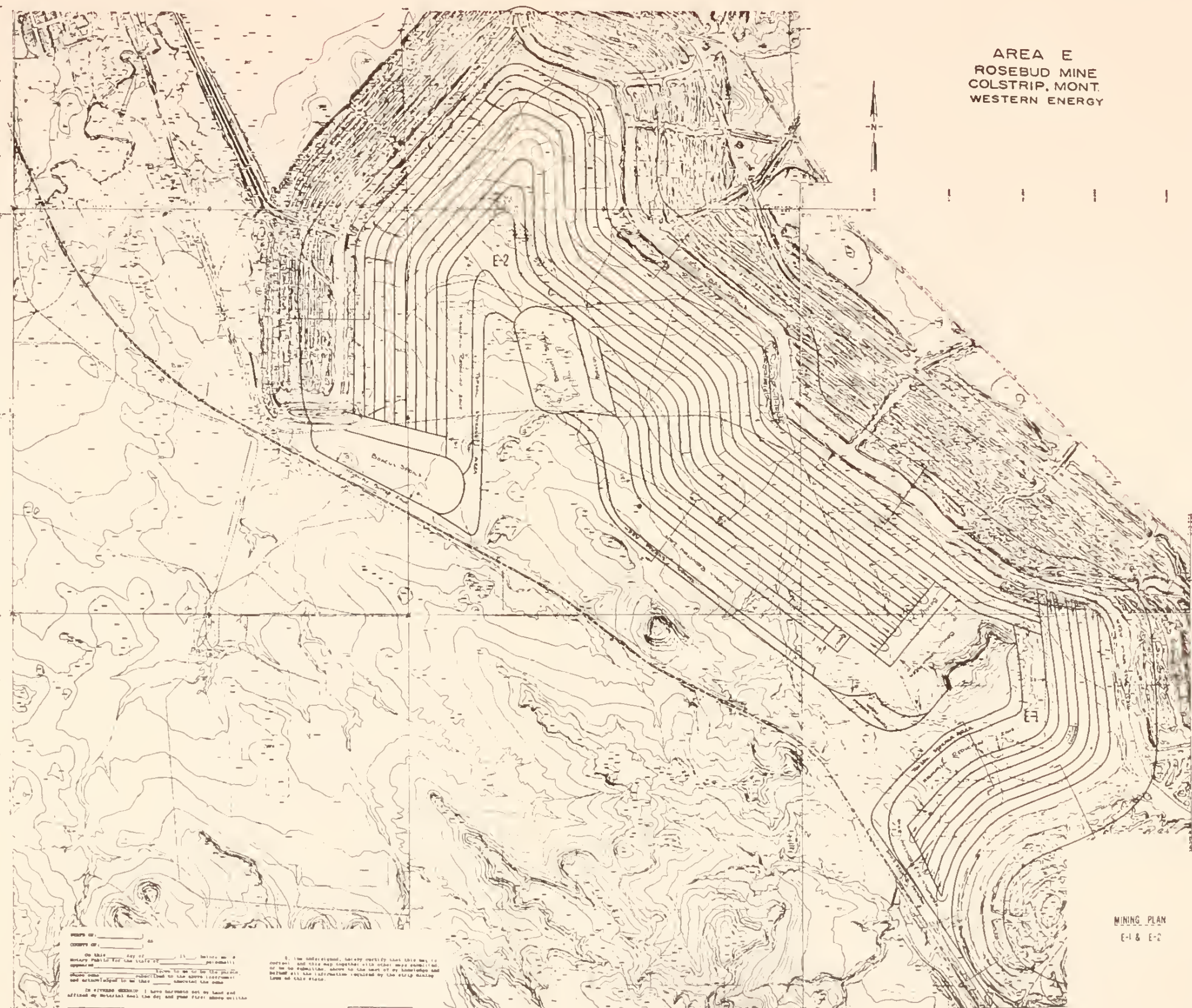
LOCATION DIAGRAM

LEGEND	
[Symbol]	ROAD
[Symbol]	RAILROAD
[Symbol]	WATER
[Symbol]	CONTOUR
[Symbol]	MINING PLAN





AREA E  
ROSEBUD MINE  
COLSTRIP, MONT.  
WESTERN ENERGY



MINING PLAN  
E-1 & E-2

Scale of \_\_\_\_\_ ft.  
On this day of \_\_\_\_\_, 19\_\_\_\_, before me a  
Notary Public for the State of \_\_\_\_\_,  
appeared \_\_\_\_\_, known to me to be the person  
whose name is subscribed to the above instrument,  
and acknowledged to me that he executed the same  
in the presence of me, and of the other persons  
named in the foregoing, and that he executed the same  
for the purposes and consideration therein expressed.

In witness whereof, I have hereunto set my hand and  
Affixed my Notarial Seal, the day and date first above written.

Notary Public for the State of \_\_\_\_\_  
My Commission Expires \_\_\_\_\_

I, the undersigned, hereby certify that this map is  
correct, and that the map together with other maps submitted  
to me for registration, show to the best of my knowledge and  
belief all the information required by the strip mining  
law of this state.

Expert \_\_\_\_\_  
Western Professional Engineers  
Number 11112



























WESTERN ENERGY COMPANY  
ROSEBUD MINE  
PIT NO. 8 AREA  
COLSTRIP, MONTANA

CHRISTIAN SPRING, BELBACH & ASSOCIATES  
BILLINGS, MONTANA

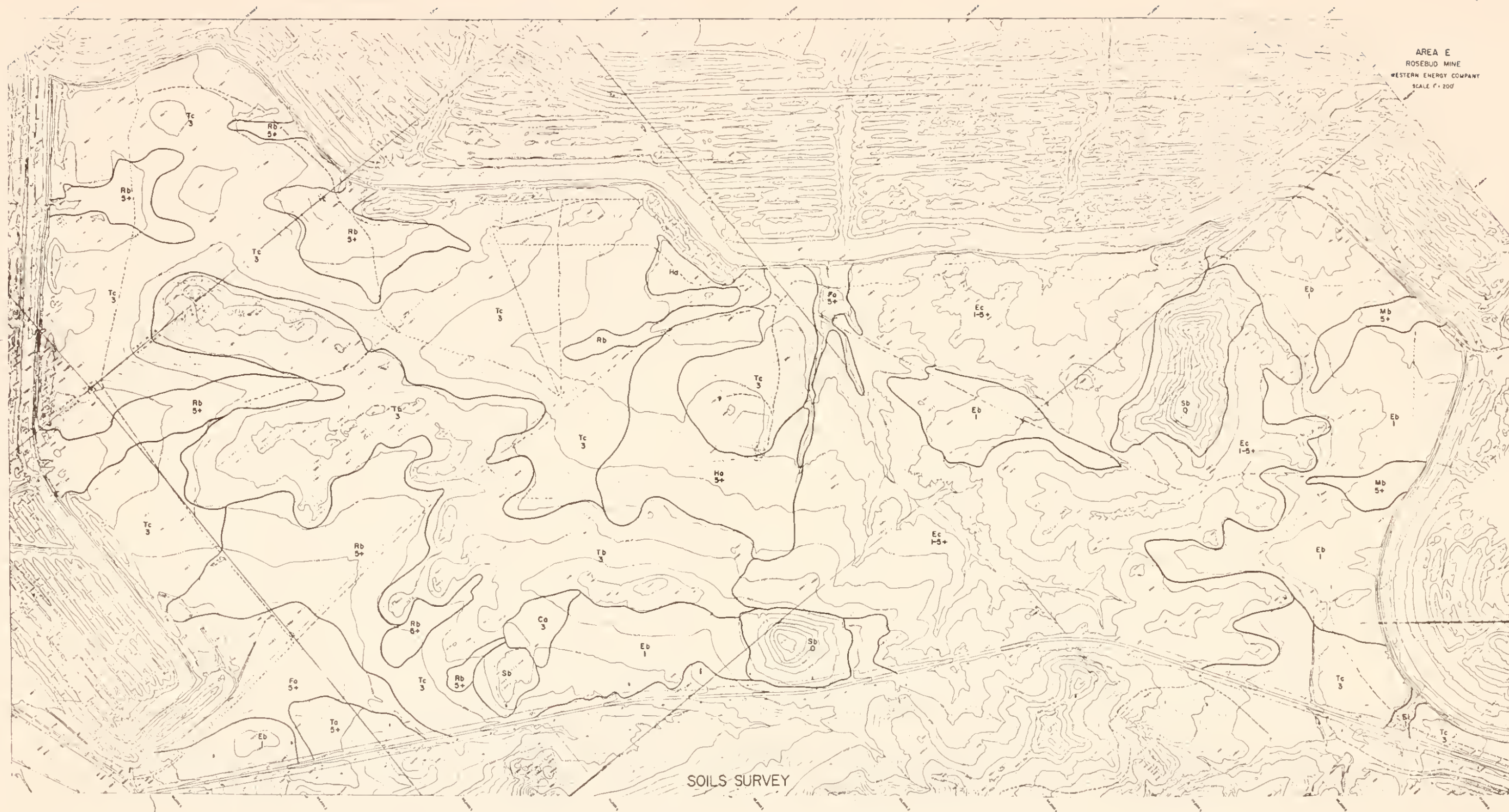


SOILS SURVEY





AREA E  
ROSEBUD MINE  
WESTERN ENERGY COMPANY  
SCALE 1" = 200'













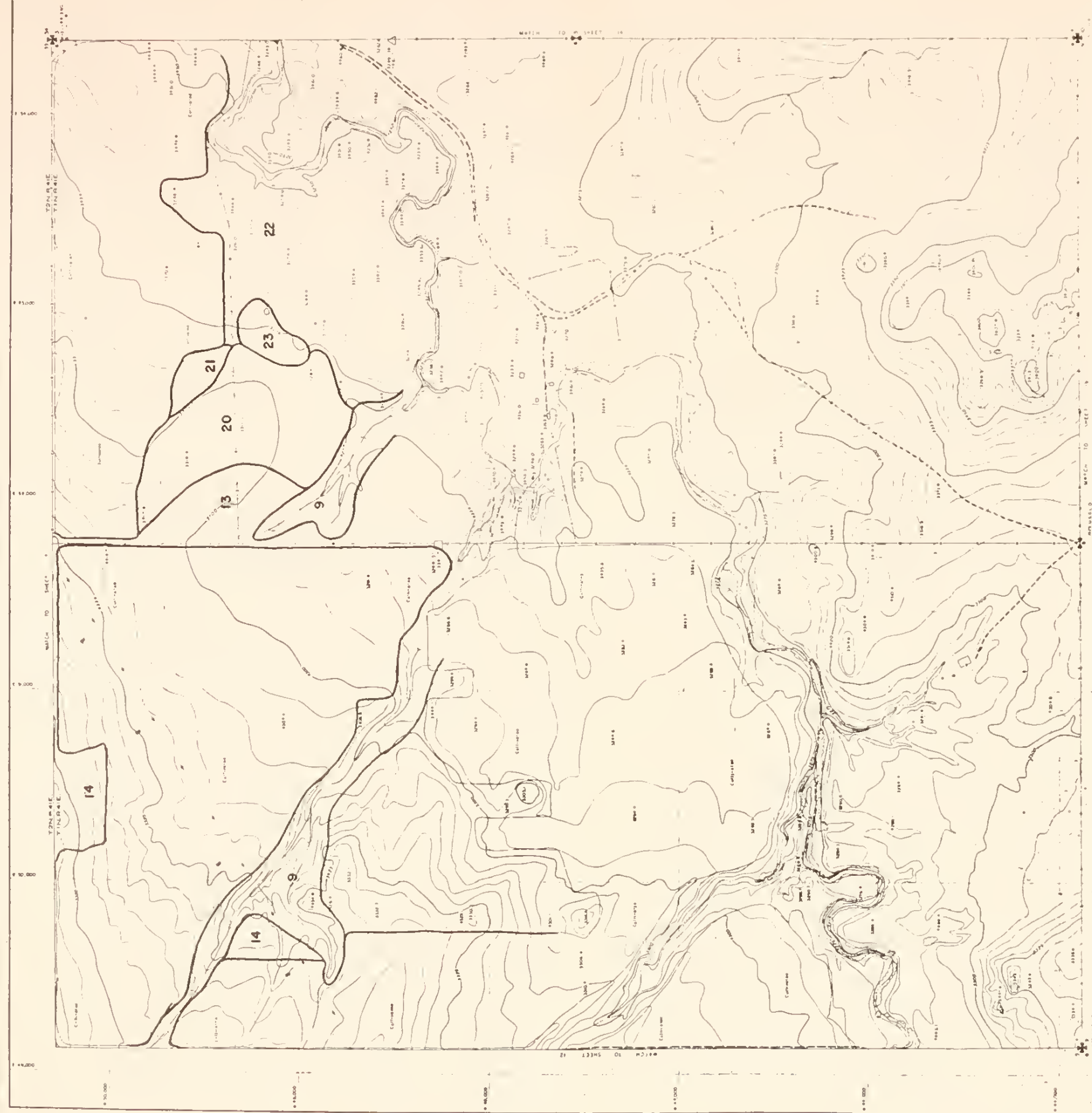












## VEGETATIVE SURVEY

TOPOGRAPHIC MAPPING OF  
PORTIONS OF  
TOWNSHIPS 1&2 NORTH RANGES 40&41 EAST  
IN  
ROSEBUD COUNTY, MONTANA  
FOR  
WESTERN ENERGY COMPANY  
BILLINGS, MONTANA  
MAY 1972

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COMPTON PHOTOGRAPHY







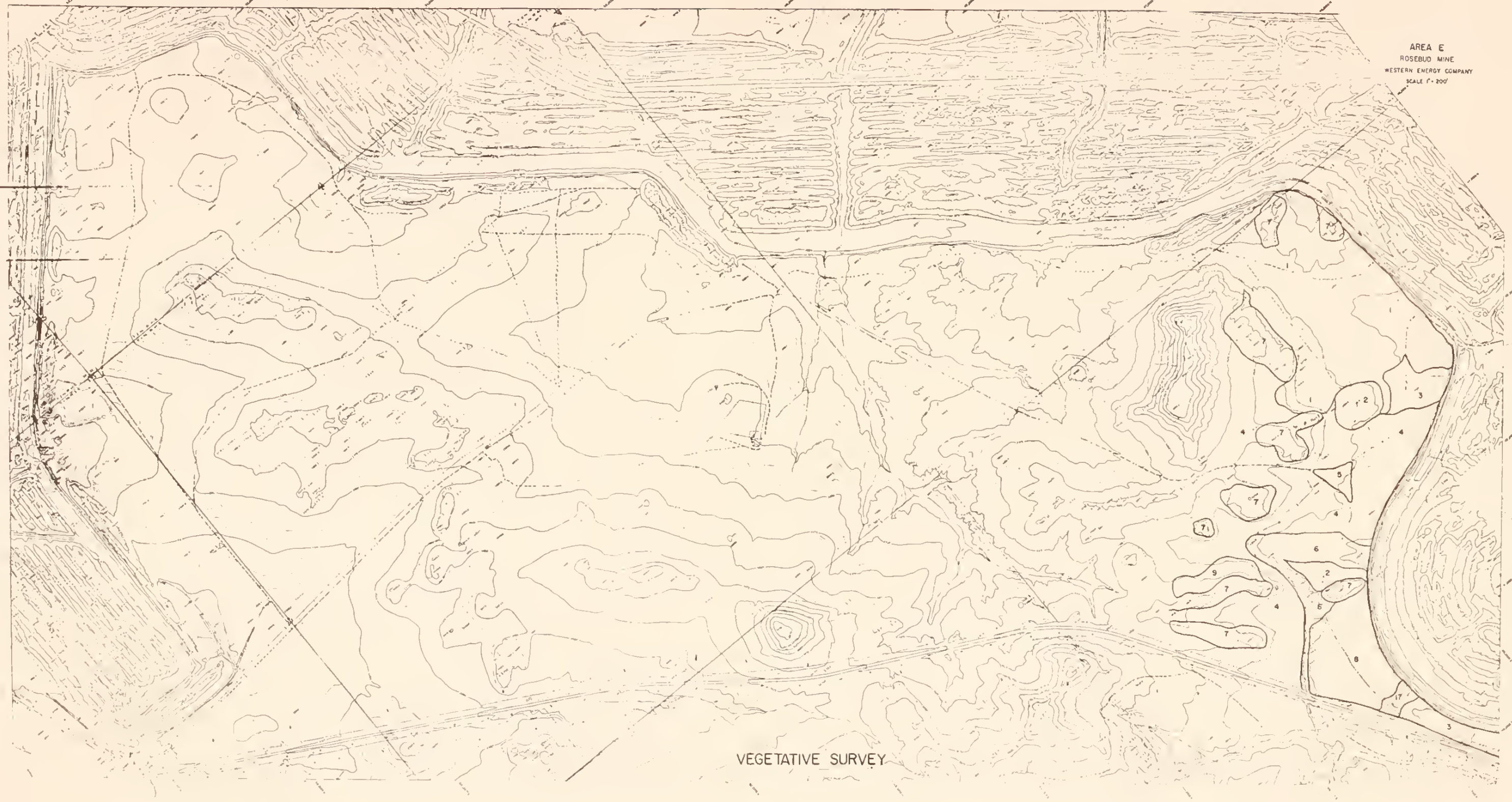






AREA E  
ROSEBUD MINE  
WESTERN ENERGY COMPANY  
SCALE 1" = 200'

VEGETATIVE SURVEY





## WILDLIFE SURVEY

TOPOGRAPHIC MAPPING OF  
PORTIONS OF  
TOWNSHIPS 1&2 NORTH RANGES 40&41 EAST  
IN  
ROSEBUD COUNTY, MONTANA  
FOR  
WESTERN ENERGY COMPANY  
BILLINGS, MONTANA  
MAY 1972

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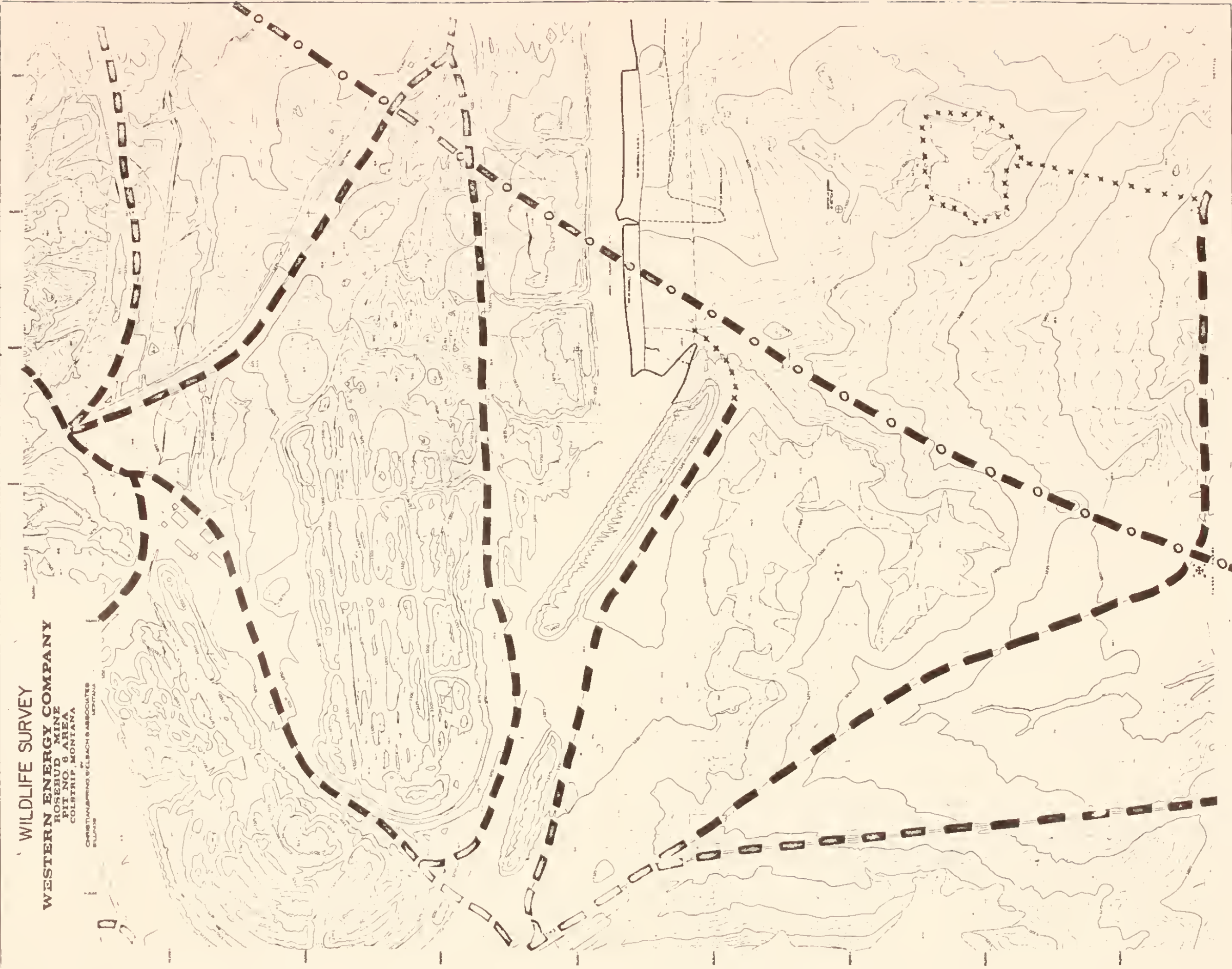




**WESTERN ENERGY COMPANY**

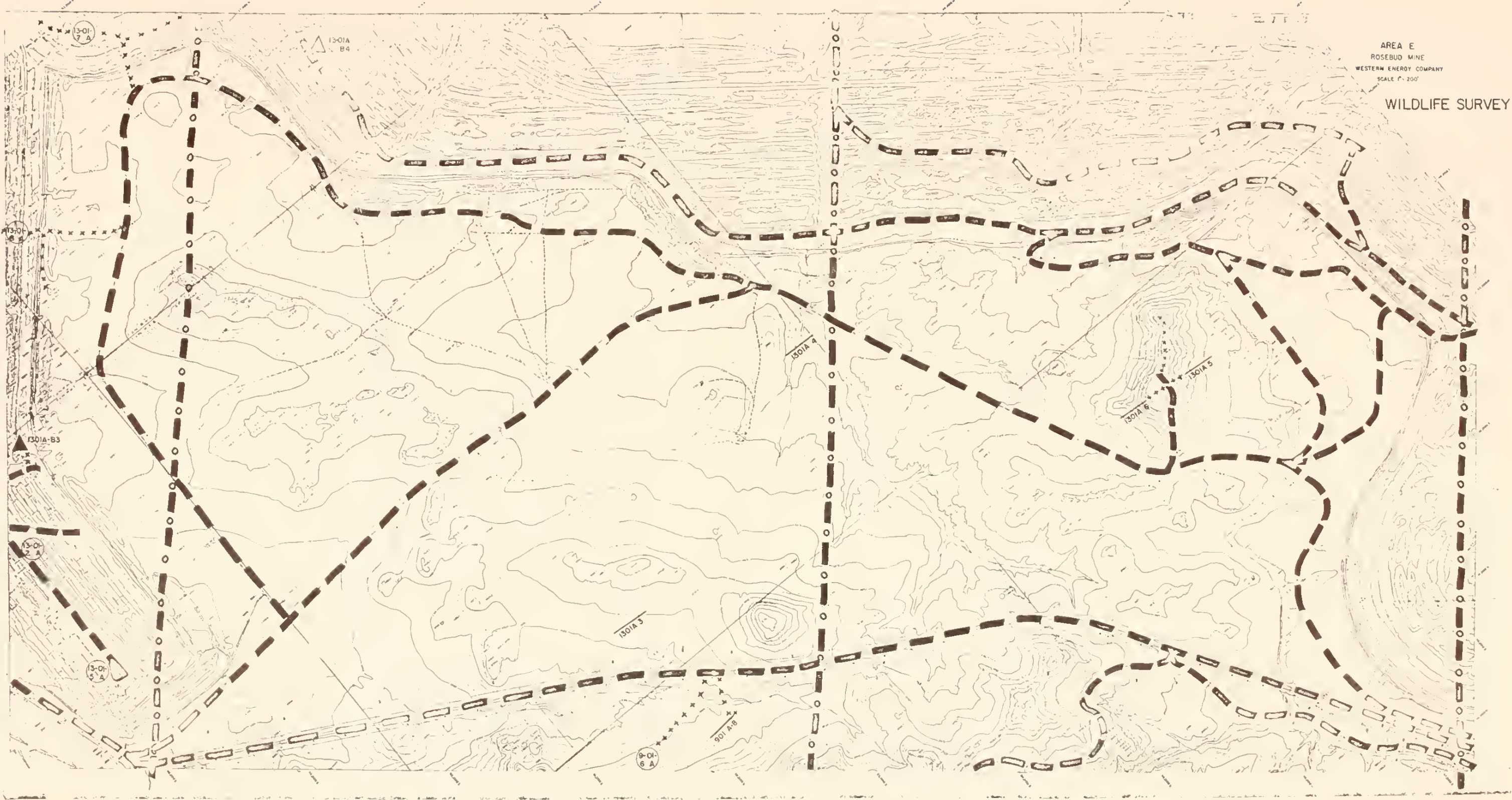
**WESTERN ENERGY COMPANY**  
ROSEBUD MINE  
PIT NO. 6 AREA  
COLSTRIP, MONTANA

CHRISTIAN BURNING, SICKLACH & ASSOCIATES  
BILLINGS  
MONTANA







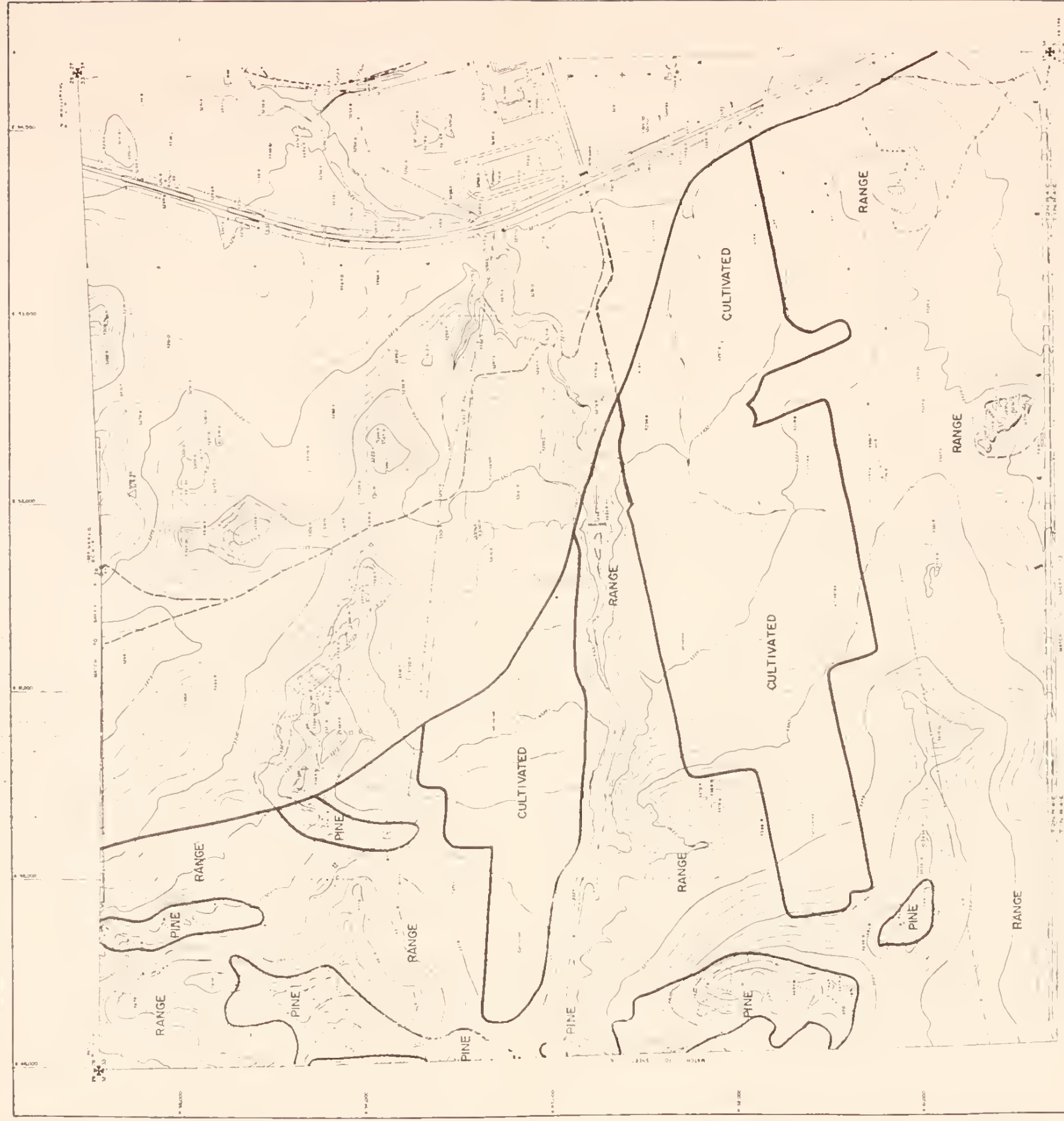


























**WESTERN ENERGY COMPANY**  
**ROSEBUD MINE**  
**PIT NO. 8 AREA**  
**COLSTRIP, MONTANA**

BY  
CHRISTIAN SPRING & LEBACH & ASSOCIATES  
BUTTE, MONTANA



LAND USE SURVEY





## LAND USE SURVEY







